

SALES SPECIFICATION

Non-volatile content, % @ 150°C	68-72
Viscosity in Secs at 30°C (50% in Xylene) By B-4 Ford Cup	160-180
Colour Gardner Scale	≤ 5
Acid value, mg KOH/g (ISO 3682)	≤12

OTHER PROPERTIES

Volatile	Xylene
Non-volatile content, % @ 150°C	70
Flash point, °C (ISO 3679)	28
Density at 20°C (ISO 2811)	0.98
Hydroxyl content, %	2.89
Hydroxyl equivalent weight	588
Oil Type	Mix Fatty Acid
Oil Length	38%

Note - Hydroxyl content quoted relative to solid resin

PRODUCT INFORMATION

SYNOLAC 5002 (70%) SYNOLAC5002(70%) is a Short oil Alkyd resin which is based on Mixed Fatty Acid and modified with Glycerol and Pentaerythr

SYNOLAC 5002 (70%) is recommended to use in Acid catalysed wood finish. It is available in 70% solids. Particular advantages gained by using this resin include:

- Excellent Colour and colour retention.
- Excellent Gloss and gloss retention.

SOLUBILITY:

SYNOLAC 5002 (70%) is soluble in aliphatic and aromatic hydrocarbons Ketones and esters.

COMPATIBILITY : SYNOLAC5002 (70%) is compatible mostly with all short oil alkyd resins, amino resins, and Nitrocellulose resins.

RECOMMENDATIONS:

SYNOLAC 5002(70%) is compatible with a wide range of Amino resins and are typically used up in combination with Urea and Melamine formaldehyde.

For an optimum performance with respect to level of cure, flexibility, hardness and impact resistance, a combination of SYNOLAC 5002 (70%) with Amino Resin at ratio of 60:40 and 70:30 on solid resin content is suggested. To promote cure the use of 1%-10% of acid catalyst is recommended mainly a 20% solution of p- toluene sulphonic acid is used.

Part A

SYN 5002	-	41.50
UF resin (1)	-	19.00
MF resin(2)	-	13.00
Butanol	-	3.50
BYK 306	-	0.025
Solvent C9	-	3.50
Xylene	-	9.50

		90.025 kg

Part B

PTSA 20% in IPA	-	10.00
Alkyd : Amino ratio	-	60:40
Viscosity at 30°C	-	about 70 sec.
Total Solids	-	45%
Tack free time	-	1.5 hrs.

NOTES :

- US-8 resin from Synpol Ltd
- MF 268 from Synpol
- BYK 306 Slip and Mar resistance

SYNOLAC 5002(70%) should only be used in applications consistent with the above recommendations. Proposals to use the resin in other ways should be discussed with Cray Valley before any action is taken.